

**Amendments to the claims:**

This listing of the claims will replace all prior versions and listings of the claims in the application:

**Listing of Claims:**

1. (Original) An impression coping system for use in pick-up and transfer type impression moulding techniques, said system comprising a single-sized implant fastener/ attachment means adapted to engage with an implant and a single-sized coping component which engages with the implant fastener and which is adapted to support an impression material, characterised in that the implant fastener is provided with a mountable and removable extender or superstructure which, in use, is sufficiently dimensioned so as to act as an extension of the implant fastener and protrude through the impression material during pick-up type impression moulding techniques and wherein the implant fastener is further provided with an removable spacer element to space the implant from the implant fastener during transfer type impression moulding techniques.
2. (Original) An impression coping system according to claim 1 characterised in that the implant faster is provided at an implant engaging end with a screw thread.
3. (Original) An impression coping system according to claim 2 characterised in that the implant faster is a coping screw.
4. (Original) An impression coping system according to claim 1 characterised in that the extension means is adapted to form a snug fit on the external surface of the body of the fastener.
5. (Original) An impression coping system according to claim 4 characterised in that the extender or superstructure comprises a tubular sleeve.

6. (Original) An impression coping system according to claim 5 characterised in that the tubular sleeve is profiled.

7. (Original) An impression coping system according to claim 5 characterised in that the tubular sleeve is adapted to be cut to an appropriate length.

8. (Original) An impression coping system according to claim 5 characterised in that the tubular sleeve comprises a plastics sleeve.

9. (Original) An impression coping system according to claim 1 characterised in that the extender or superstructure is adapted to stay in the impression material after impression.

10. (Original) An impression coping system according to claim 1 characterised in that the tubular passage is adapted to stay on the implant fastener and thereby is removed from the impression material after impression taking.

11. (Original) An impression coping system according to claim 1 characterised in that the extender or superstructure is pre-mounted by the manufacturer and if needed adjusted by the clinician prior to impression taking.

12. (Original) An impression coping system according to claim 1 characterised in that the implant faster is provided with a fastening region for the spacer element.

13. (Original) An impression coping system according to claim 12 characterised in that the fastening region is of narrower diameter than the body of the fastener.

14. (Original) An impression coping system according to claim 12 characterised in that the fastening region is the implant engaging end provided with a screw thread.

15. (Original) An impression coping system according to claim 12 characterised in that the fastening region is provided with a shoulder.

16. (Original) An impression coping system according to claim 1 characterised in that the spacer element is adapted to be removed by a conventional dentistry implement or finger.

17. (Original) An impression coping system according to 16 characterised in that the spacer is only removed to decrease the height of the screw shaft after impression taking and prior to reinsertion of the impression coping in the impression material for the making of a master cast for the transfer type application, and thereby increasing the accuracy of the transfer type impression application

18. (Original) An impression coping system according to claim 1 characterised in that the spacer element comprises an annular ring.

19. (Original) An impression coping system according to claim 1 characterised in that the spacer element is an open or closed ring, tube or cylinder.

20. (Original) An impression coping system according to claim 18 characterised in that the spacer element is an annular split ring.

21. (Original) An impression coping system according to claim 1 characterised in that the spacer element is placed around the screw neck under the screw shaft of the impression coping screw.

22. (Original) An impression coping system according to claim 20 characterised in that the height of the spacer element is preferably of larger height than the inner tool connection of the attachment means.

23. (Original) An impression coping system according to claim 1 characterised in that the spacer element comprises a plastics material.

24. (Original) An impression coping system according to claim 1 characterised in that the spacer exhibits elastic properties in such way that the height of the spacer depends on torque levels thus being unnecessary to remove, said torque levels being higher for the attachment for the model making on the implant analogue than for the model taking on the implant.

25. (Original) An impression coping system according to claim 1 characterised in that the coping component comprises an annular sleeve.

26. (Original) An impression coping system according to claim 20 characterised in that the annular coping sleeve comprises a slidable sleeve

27. (Original) An impression coping system according to claim 21 characterised in that the annular coping sleeve is rotatably slidable.

28. (Original) An impression coping system according to claim 1 characterised in that the coping sleeve is adapted to be supported by a surface of the implant.

29. (Original) An impression coping system according to claim 1 characterised in that the implant is provided with a shoulder for supporting coping sleeve.

30. (Original) An impression coping system according to claim 25 characterised in that the diameter of coping sleeve is substantially the same as the diameter of the implant.

31. (Original) An impression coping system according to claim 1 characterised in that the spacer is pre-mounted by the manufacturer and removed by the clinician or dental technician or any other suitable person after impression taking.

32. (Original) A method of making an open tray dental impression using the impression coping system according to claim 1, the method comprising the steps of;

- (i) placing a coping component on the implant fastener, the fastener optionally being equipped with a spacer;
- (ii) engaging the fastener and coping component with an implant;
- (iii) if the extension means is not already pre-mounted by manufacturer, placing an extender component or superstructure component on the fastener and/or coping component or any other suitable function, and optionally adjusting the height of the extension means;
- (iv) moulding an impression material around the coping component and the extension means;
- (v) disengaging the coping component from the implant by unscrewing the screw;
- (vi) removing the impression moulded material (which at this point will carry the coping component, fastener and extension means);
- (vii) fitting the implant analogue to the coping component and the screw; and
- (viii) fabricating a master cast from the impression moulding containing the implant analogue positioned on the coping component and completing the transfer of the implant position from the oral cavity to a model of the oral cavity.

33. (Original) A method of making a closed tray dental impression using the impression coping system according to claim 1, the method comprising the steps of;

- (i) placing a coping component on an implant fastener;
- (ii) engaging the fastener, which is fitted with a spacer element, with an implant;
- (iii) moulding an impression material around the coping component;
- (iv) removing the impression moulded material;
- (v) removing the spacer element from the fastener and fitting the fastener and coping component to the implant analogue; prior to refitting the coping component engaged

with the implant analogue, preferably by the retention of the fastener, into the socket of the impression material, by pushing the coping component and turning it to the correct position determined by positioning means on the coping component; and

(vi) fabricating a master cast from the impression moulding containing the implant analogue positioned on the coping component and completing the transfer of the implant position from the oral cavity to a model of the oral cavity.

34. (Original) A dental impression coping system according to claim 1 for co-operating with an impression material to take an impression for making a model of a region in a mouth adjacent to an aperture in gingiva which exposes an implant that is installed in bone for pick-up type and transfer type impression moulding techniques, said system comprising:

a non-rotational fitting for mating with a corresponding fitting of said implant;

an outer surface having a transgingival section configured to fit within said aperture and a supragingival section for embedment in said impression material, said supragingival section having at least one part with a non-circular cross-sectional, said impression coping capable of being transferred back into said impression material after said impression is taken preferably if using a transfer type impression mould technique;

a means intended for fastening or clamping said impression coping to said implant, an inner surface defining a passage that is generally aligned with said implant for receiving an attachment means intended for fastening said impression coping to said implant:

an attachment means intended for fastening said impression coping to said implant providing the said impression coping

a superstructure or extender being able to be mounted in contact with said attachment means or said impression coping providing a means to access the said attachment means through the said impression material also providing the said impression coping to be used with the said pick-up impression application.

35. (Original) An impression coping system according to claim 1 characterised in that the implant fastener or attachment means relies upon friction, elastics or mechanical interlocking.

36. (Original) The impression coping of claim 1 wherein the outer surface of the coping component is provided with a plurality of recesses.

37. (Original) An impression coping according to claim 1 wherein a spacer attached to screw can exhibit the retention of the attachment means being a screw, to the impression coping inner recess avoiding the part to disengage during carrying, placing and removal from the implant or implant analogue.

38. (Original) A method for creating a model of a mouth having a dental implant that is installed therein and includes a fitting of an impression coping to an implant according to any aforementioned claims, said method comprising:

installing an impression coping on said implant preferably by screwing by hand holding the superstructure or extender, or screw head or by means a screw driver, said impression coping including at least one first circumferential recess around a longitudinal axis and at least one second longitudinal impression interlocking recess;

removing the superstructure or extender prior to model taking if using the transfer type application

applying impression material into said mouth and around said at least one first and second interlocking recesses of said coping, said second recess having a predetermined angular orientation with respect to said impression material after being applied around said coping;

if using said transfer type application removing said impression material from said mouth and then removing the impression coping from the implant by unscrewing the screw by hand or by screw driver followed by mounting the implant analogue on the impression coping after having removed the spacer on the impression coping screw and subsequently

45. A spacer component according to claim 44 characterised in that the spacer comprises a split annular ring.

46. A spacer component according to claim 43 characterised in that the spacer  
5 comprises a plastics material.

47. An arrangement suitable for pick-up type (open tray) impression moulding comprising an implant fastener adapted to engage with an implant, a coping component and an extender or superstructure and wherein the extender or  
10 superstructure is pre-mounted by the manufacturer and if needed adjusted by the clinician prior to impression taking.

48. An arrangement suitable for transfer type (closed tray) impression moulding comprising an implant fastener adapted to engage with an implant, a coping  
15 component and a spacer wherein the spacer is pre-mounted by the manufacturer and removed by the clinician or dental technician or any other suitable person after impression taking.

49. An arrangement according to claim 48 where the extender remains on the  
20 implant fastener and/or coping component and not in the impression material and thereby is removed from the impression material after impression.

50. A method for creating a model of a mouth having a dental implant that is installed therein and includes a fitting of an impression coping to an implant  
25 according to any aforementioned claims, said method comprising:

installing an impression coping on said implant preferably by screwing by hand holding the superstructure or extender, or screw head or by means a screw driver, said impression coping including at least one first circumferential recess around a  
30 longitudinal axis and at least one second longitudinal impression interlocking recess;



reinserting said impression coping into an opening, preferably the same it was earlier removed from, within said impression material:

if using said pick-up application removing said impression coping from the implant by unscrewing the screw through the said access means, superstructure or extender followed by moving said impression material and impression coping arrangement from said mouth and mounting the implant analogue on the impression coping;

the casting of the stone model is then made irregardless of pick-up or transfer type impression technique.

39-44. (Cancelled)